

ROSSOLIMO, O.K.; LEPESHKINA, G.N.

Comparative evaluation of the antineoplastic activity of
antibiotic 6270 and echinomycin. Antibiotiki 7 no.4:345-348
Ap '62. (MIRA 15:3)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh
svoystv novykh antibiotikov (zav. - prof. V.A. Shorin)
Instituta po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS) (CYTOTOXIC DRUGS) (ECHINOMYCIN)

SHORIN, V.A.; ROSSOLIMO, O.K.; LYASHENKO, V.A.; SHAPOVALOVA, S.P.

Antibacterial and antineoplastic properties of the antibiotic
6613. ~~Antibiotiki~~ 6 no.11:979-983 N '61. (MIRA 15:3)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS)
(CYTOTOXIC DRUGS)

ROSSOLINO, O.K.; STANISLAVSKAYA, M.S.; LEPESHKINA, G.N.

Study of the combined effect of the antibiotic 6270 and of some synthetic preparations with an inhibitory effect on the growth of experimental tumors. Antibiotiki 6 no.6:479-484 Je '61.
(MIRA 15:1)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zav. - prof. V.A.Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS) (TUMORS)

ROSSOLIMO, O.K.; LEPESHKINA, G.N.

Comparative evaluation of the antitumor activity of the antibiotic
6270 and certain preparations from the chlorethylamine group.
Antibiotiki 6 no.1:39-42 Ja '61. (MIRA 14:5)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv
novykh antibiotikov (zav. - prof. V.A.Shorin) Instituta po izyskaniyu
novykh antibiotikov AMN SSSR.
(ANTIBIOTICS) (NITROGEN MUSTARDS)

NAME / Mercobolide - Antitoxicine
Antitoxin.

Abn. Date : 2nd May - 1915.

Author : FREDERIC GORDON, M.D., F.R.C.P.
LONDON, ENGLAND.

Inc. : 1915.

Title : Gorbolide, A New
Peroxide.

Orig. Publ. : Hutchinson & Co., Ltd., 1915.

Abstract : An antitoxicine, termed mercobolide, has been
described. It is a peroxide of cobalt which
contains 15% cobalt. It is soluble in
1% citric acid, 0.2% citric acid and
chloroform.

Card 1/3

antitoxicine is obtained by dissolving
by water soluble dextrin, 100 mg. of
cetylaluminum iodide, 100 mg. of
1600 Phago units 10 opsonin, 10
units of I in 600. This is a
yellowish orange, granular mass,
visible redness disappears in the ultra-violet
chloroform. Dissolves readily in alcohol, benzyl
acetone and benzyl. Has a distinct
antitoxic action and inhibits the spread of
certain bacteria. When injected into mice
acts effectively than many
sedative drugs. Approved test-bacterial. Is a slightly toxic.
Mice tolerate without any side
the administration of 1 daily in doses
of 500 mg/kg and subcutaneously in the dose of

Card 2/3

of 200 mg/kg. I possesses weak neutralizing
action on grippa virus in vitro and has little
medicinal value in experimental grippa in-
fection. -- T. P. Vortograff /a

Card 3/3

BRAZHNICKOVA, M.O.; USPENSKAYA, T.A.; SOKOLOVA, L.B.; PREOBRAZHENSAYA, T.P.;
GAUZE, G.F.; UKHOVINA, R.S.; SHORIN, V.A.; ROSSOLIMO, O.K.; VERTO-
GRADOVA, T.P.

New antiviral antibiotic heliomycin. Antibiotiki 3 no.2:29-34 Mr-Ap
'58. (MIRA 12:11)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS,

heliomycin, prep. from *Actinomyces flavochromogenes*
var. *heliomycini* & antiviral properties (Rus))

(ACTINOMYCES, metabolism,
flavochromogenes var. *heliomycini*, heliomycin syn-
thesis (Rus))

COUNTRY	: Poland	2-1
CATEGORY	:	
ABD. JOUR.	: RZKhim., No. 1959, No. 85974	
AUTHOR	: Kemula, W.; Kosolowski, S.; Wolfram, W.	
INST.	:	
TITLE	: Conditions of Formation of Alpha- and Beta-Silicomolybdic Acid in Dilute Solutions.	
ORIG. PUB.	: Chem. analit., 1958, 3, No 3-4, 593-597	
ABSTRACT : Study of the rate of establishment of an equilibrium in the reaction of formation of the silicomolybdic complex (I). It was found that at concentrations of $(\text{NH}_4)_2\text{MoO}_4$ and Na_2SiO_3 , respectively, of $130 \cdot 10^{-4}$ and $4 \cdot 10^{-4}$ mole/liter, and at 20° , equilibrium is reached after 10-12 minutes. It was ascertained, by the method of isomolar series, that Si and Mo have a ratio of 1:12 in the I that is formed. A confirmation is provided of the existence, in the solution, of two forms of I: of alpha-, and beta-silicomolybdic acids, having the same composition, but differing in optical density (OD). At the above stated concentrations of $(\text{NH}_4)_2\text{MoO}_4$ and Na_2SiO_3 , alpha-form exists		
CARD: 1/2		

67

ROSSOLIMO, O. K.

"Investigation of the Therapeutic Properties of Colimycin,"
by O. K. Rossolimo and S. P. Shapovalova, Laboratory for the
Investigation of the Therapeutic Properties of New Anti-
biotics (head, Doctor of Medical Sciences V. A. Shorin),
Institute of the Search for New Antibiotics, Academy of
Medical Sciences USSR, Antibiotiki, Vol 1, No 5, Sep-Oct
56, pp 13-16

Experiments conducted on animals to determine the effectiveness
of the antibiotic colimycin as a therapeutic agent in a number of dis-
eases established that: colimycin, an antibiotic close to neomycin
was effective in the therapy of infections caused by Flexner's bacilli,
Friedlander's bacilli, Klebsiella, Proteus vulgaris, Staphylococcus
aureus, tubercular bacilli, pertussis bacillus, pyocyaneous bacilli, and
pneumococci, it was slightly effective against salmonella, and completely
ineffective in the therapy of diseases caused by the influenza virus
and rickettsia; it was highly effective in the therapy of diseases caused
by Proteus vulgaris and pyocyaneous bacilli. (U)

ROSSOLIMO, O.K.; STANISLAVSKAYA, M.S.; LEPESHKINA, G.N.

Experimental studies on the antineoplastic properties of a new antibiotic 6270. Antibiotiki 4 no.6:54-59 N-D '59. (MIRA 13:3)

1. Laboratoriya eksperimental'nogo izucheniya lechebnykh svoystv novykh antibiotikov (zaveduyushchiy - prof. V.A. Shorin) Instituta po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS pharmacol.)
(ANTINEOPLASTIC AGENTS pharmacol.)

Raschenko, G.L.

Intraspecific variability of the red-backed bank vole
(Tethromys glareolus Cretzsch.). Zool. zhur. 43 no. 5:
349-756 '64 (MTRA 1727)

1. zoologicheskiy in-t nauchno-tekhnicheskogo universiteta,

ROSSOLIMO, O. L.: Master Biol Sci (diss) -- "Age variability of the skull and masticatory musculature of the nutria (*Myopotamus coypus Mollina*) (On the problem of age variability of mammals)". Moscow, 1958. 19 pp (Moscow City Pedagogical Inst im V. P. Potemkin), 150 copies (KL, No 7, 1959, 123)

ROSSOLIMO, O.L.

Periods in the development of the skull in coypu (*Myopotamus coypus* Molina). Nauch. dokl. vys. shkoly; biol. nauki no.2:55-57 '58.
(MIRA 11:10)

1. Predstavlena kafedroy zoologii Moskovskogo gorodskogo pedagogicheskogo instituta imeni V.P. Potemkina.
(Coypu) (Skull)

ROSSOLIMO, O.L.

Intraspecific variability of the red vole *Clethrionomys rutilus* Pall.
Zool. zhur. 41 no.3:443-452 Mr '62. (MIRA 15:3)

1. Zoological Museum of the State University of Moscow.
(Field mice)

ROSSOLIMO, O.L.

Correlation of individual dimensions of the skull in the rad vole
Clethrionomys glareolus Schreb. Zool.zhur. 41 no.8:1267-1269 Ag
'62. (MIRA 15:9)

1. Zoological Museum, Moscow State University.
(Voles) (Skull)

ROSSOLIMO, O.L.

Specific independence of the Tien Shan forest vole *Clethrionomys*
frater Thos. Zool. zhur. 42 no.8:1263-1272 '63. (MIRA 16:9)

1. Zoological Museum, State University of Moscow.
(Tien Shan—Field mice)

ROSSOLIMO, O.L.

Craniological determination of age in coypus. Nauch.dokl.vys.
shkoly;biol.nauki no.4:57-60 '58. (MIRA 11:12)

1. Rekomendovana kafedroy zoologii Moskovskogo pedagogicheskogo
instituta imeni V.P.Potemkina.
(Coypu) (Skull) (Age)

ROSSOLOVSKIY, N.A.

Dynamics of basal metabolism during acclimatization in mountain areas. Trudy Sar. gos. med. inst. 26:29-32 !59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra patologicheskoy fiziologii (zav.-dotsent P.Ya. Novorasova).
(METABOLISM) (ACCLIMATIZATION)

BIKBOVA, S.K.; GONCHAROVA, M.I.; KAREMOVA, Z.Kh.; RONSHAKHINA, N.F.

Murine rodents as carriers of Leptospira ratus. Nauch. trudy Kaz. gos. med. inst. 14:109-110 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent Z.Kh. Karimova) Kazanskogo meditsinskogo instituta i otdel osobo opasnykh infektsiy (zav. - T.I.Chiranova) Respublikanskoy sanitarno-epidemiologicheskoy stantsii Tatarskoy ASSR.

SOV/58-59-12-26886

Translation from: Referativnyy zhurnal, Fizika, 1959, Nr 12, p 55 (USSR)

AUTHORS: Val'ter, A.K., Rossomakhina, N.Ya.

TITLE: On the Elastic Scattering of Neutrons From the Nuclei of Nickel,
Copper, Lead, Bismuth and Uranium

PERIODICAL: Tr. Sessii AS UkrSSR po mirn. ispol'zovaniyu atomn. energii.
Kiyev, AS UkrSSR, 1958, pp 80 - 83

ABSTRACT: The angular (within the 23° to 143° range) distribution of
2.6 Mev neutrons, elastically scattered from the nuclei of
nickel, copper, lead, bismuth and uranium, was measured by
using thick-layer nuclear emulsions. It has been established
that in the case of all the investigated elements there is a
main maximum at zero angle and an additional one in the large-
angle range. It is pointed out that for light nuclei (computed
on the basis of the optic model $R = 1.45 \cdot 10^{-13} A^{1/3}$) both ex-

Card 1/2 ✓

SOV/58-59-12-26826

On the Elastic Scattering of Neutrons From the Nuclei of Nickel, Copper, Lead, Bismuth and Uranium

perimental and theoretical values of the differential cross-sections agree satisfactorily; in the case of heavy nuclei, there is better agreement if the radius of the nucleus is taken to be equal to $1.37 \cdot 10^{-13} \text{ A}^{\frac{1}{3}}$.

I.P. Sadikov



Card 2/2

DOLGOV, V.A.; ROSSOLIMO, O.L.

Dental abnormalities in the wolf, *Canis lupus Linnaeus*,
1758. *Acta theriologica* 8 no.1/16:237-244 '64.

I. Zoological Museum of the M.V.Lomonosov State University,
Moscow.

ROSSOLIMO, O. L.

The biology of two hedgehog varieties of eastern Ciscaucasia. Biul.
MOIP. Otd. biol. 60 no. 4:3-8 Jl-Ag'55. (MIRA 8:12)
(CAUCASUS, NORTHERN HEDGEHOGS)

Rossolimo, O.K.

✓ Toxicity and therapeutic properties of crystalline actinomycins. O. K. Rossolimo and G. N. Lepeshkina. *Antibiotiki* 1, No. 4, 5-9 (1956); (cf. *C.A.* 47, 2888g; 7024c). — The preps. which were studied possessed therapeutic properties similar to those of actinomycin C (I). Two actinomycins (5693, 472) showed a retarding action on the development of exptl. tumors (Krocker's sarcoma), providing therapy on mice was initiated not later than 24 hrs. after the tumors were grafted. Actinomycin 5693 showed a weak arresting action on the development of Krocker sarcomas in the state

2

of active growth. I, 472, and 5693 caused atrophic reactions in the spleen and serious side reactions in the gastro-intestinal tract.

D. M. Chern

ROSSOLIMO, O.L.; SVROVECHKOVSKIY, Ye.Ye.

New data on the distribution of the red-backed bank vole (*Clethrionomys glareolus* Schreb.) in Siberia. Nauch. dokl. vys. shkoly; biol. nauki no.2:61-64 '61. (MIRA 14:5)

1. Rekomendovana Zoologicheskim muzeuem Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova i Institutem geografii AN SSSR.
(SIBERIA..FIELD MICE)

PANFILOV, D.V.; ROSSOLIMO, O.L.; SYROYECHKOVSKIY, Ye.Ye.

Species and geographical distribution of Bombinae in Tuva. Izv.
Sib. otd. AN SSSR no.6:106-113 '61. (MIRA 14:6)

1. Institut geografii AN SSSR, Moskva.
(Tuva autonomous province--Bumblebees)

ROSSOMAKHIN, M.V.

Study of the shape of the Irtysh Valley in connection with its
regime of levels and sediments. Trudy GGI no.100:96-121 '63.
(MIRA 16:9)
(Irtysh Valley--Sedimentation and deposition)

GORDIKOV, A.V.; ROSSOMAKHIN, M.V.

Transverse gradients of the water surface of an inundated
flood plain (exemplified by the Irtysh River). Trudy GGI
no.88:109-124 '61. (NIRA 15:2)
(Irtysh River--Hydrology)

KARIMOVA, Z.Kh.; ROSSOMAKHINA, N.F.

Dogs as a source of human leptospirosis. Zhur. mikrobiol. epid. i immun. 32 no.5:76-80 My '61. (MIRA 14:6)

1. Iz Kazanskogo meditsinskogo instituta.
(KAZAN—LEPTOSPIROSIS) (DOGS AS CARRIERS OF DISEASE)

PAGE 1 BOOK EXPOSITION SER/4012

AKADEMICHESKAYA UZHENNOVAYA SSSR, Otdeleniye fizicheskikh nauk.

Seriya po atomnoi i sovremennoi atomnoi nauki.

Trudy (Transactions of the Session on Progress in Atomic Energy), Kiev,

Izdat. Akad. Nauk Ukrainskoy SSR, 1958, 180 p., 2,500 copies printed.

Resp. Ed.: M. V. Peshchik, Doctor of Physics and Mathematics; Editorial Board:

A. K. Val'fer, Academician, Academy of Sciences of Ukrainian SSR; O. T. Petrenko,

Candidate of Physical and Mathematical Sciences; M. V. Ivanchuk, Doctor of Physics and

Mathematics; Ed. of Publishing House: T. K. Remenik; Tech. Ed.:

N. P. Radilina.

PURPOSE: The collection of articles is intended for physicists and scientific

personnel working in nuclear research.

CONTENTS: The articles in this collection discuss linear proton accelerators,

ion-beam accelerators, electrostatic accelerators, magnetostatic lenses, the

interaction of charged particles and neutrons with nuclei, the applications

of tagged atoms in plasma research and experimental methods. Some of the

articles are devoted to already existing nuclear installations and ex-

perimental apparatus. No personal data are presented. There is a bibliog-

raphy of Soviet and non-Soviet sources at the end of most of the articles.

Blinovskiy, K.D., P.M. Zaytsev, A.I. Bokarev, L.N. Kononov, I.V. Bozorov,

A.Y. Matveev, I.M. Afanasev, Yu. G. Kosyrev, and I.Z. Pergament, 30.5-Mev Linear

Proton Accelerator (presented), 5

Blinovskiy, K.D., P.M. Zaytsev, I.M. Grinberg, L.B. El'yashevich, 15

V.A. Akhiezer, Yu. B. Fomenko, N. A. Polivanov, Electron Accelerator with an Output Energy of 3.5 Mev

Zaitsev, A.S., and A.M. Tsvetkov, A 1-Mev Electrostatic Accelerator

for Production Reactor Cooling, 26

Electrostatic Generator, 25

Akhiezer, A.I., and A.G. Il'inskiy, Interaction of Fast Deuterons

With Neutrons, 27

Karginer, A.P., A.K. Val'fer, and B. N. Yanevich, Reaction of

Deuterons With Deuterons, 64

Tsvetkov, S.P., and Yu. P. Astur'yev, Gamma-Resonances in Reactions

of Proton Capture by Silicon Isotopes and Energy Levels of the Nucleus

Yanushkin, R.A., and V.D. Fedchenko, Investigation of Elastic

Scattering of 18.7-Mev Electromagnetic Photons on Nickel and Copper Nuclei

Val'ter, A.K., and M. Ya. Rossenblit, Plastic Scattering of

Neutrons by Nickel, Copper, Lead, Bismuth and Uranium Nuclei

Komarov, O.J., and M.V. Peshchik, Neutron Spectrometer in

Electron Beam, 80

Borodich, I.P., V.P. Verbitsky, B.D. Konstantinov, O.Z. Nemets, and

M.V. Peshchik, Spectra of Fast Neutrons Scattered by Atomic Nuclei

Aleksandrov, B.S., B.I. Verbitsky, and D.O. Lazarev, Observing Pulse Methods

for Investigating the Mechanisms of Refining Metal Impurities by Pulse

Morrelli, N.D., Using the Rutherford-Brillouin Method in Investigations

of Surface Properties, 128

Razin, Yu. G., P.I. Antonov, and V.T. Kavunov, Using Radiotracer

Isotopes in Investigation of Constitution and Distribution of Impurities

in Cerium

119

128

130

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

3

KLYUCHAREV, A. I., and ROSOMAKHINA, N. Ya.

"The (p, α) reaction at 20 Mev,"

Physical-Tech. Inst. of the Acad. Sci. Ukr SSR

paper submitted at the A-U Conf. on Nuclear Reactions in Medium and Low Energy Physics, Moscow, 19-27 Nov 57.

N L 11248-66 EWP(e)/EWT(m)/EWP(w)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)

ACC NR: AT6000927 IJP(c) JD/JG SOURCE CODE: UR/2563/65/000/251/0028/0030

AUTHOR: 44 55 44 55 44 55 67
Khoroshaylov, V. G.; Bogoyavlenskiy, K. N.; Rossomakho, Ya. V.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut)

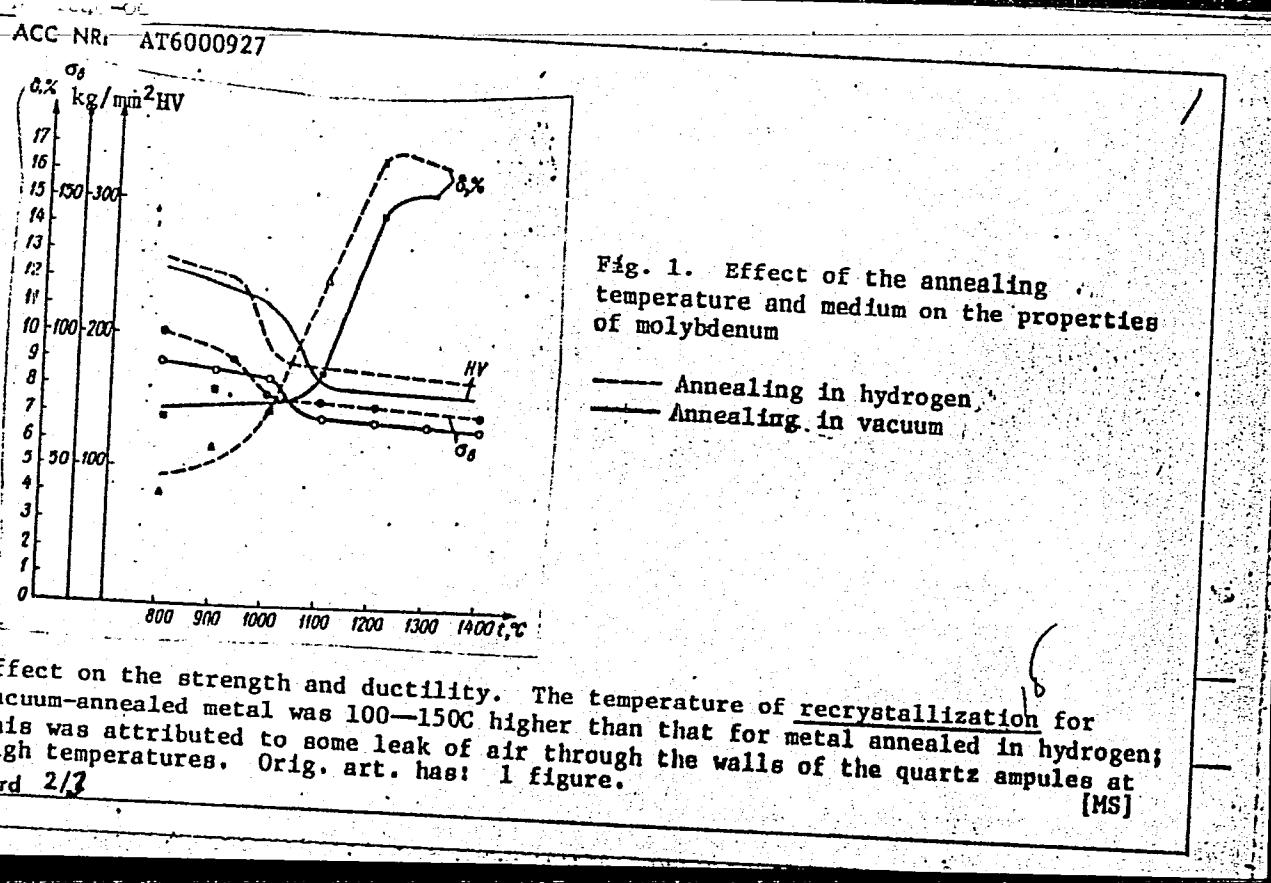
TITLE: Effect of the annealing temperature and medium on the properties of molybdenum

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy. no. 251, 1965. Metallovedeniye (Metal science), 28-30

TOPIC TAGS: molybdenum, sintered metal, annealing, molybdenum annealing, annealed molybdenum property

ABSTRACT: Cold-rolled strips of 99.9%-pure sintered molybdenum, 150–180 x 0.2 x 400–800 mm, were annealed in a vacuum of $1.5\text{--}1.4 \cdot 10^{-2}$ mm Hg or in dry hydrogen at 800–1400°C for 45 min to determine the optimum conditions for heat treatment. In the as-delivered condition, molybdenum had a hardness HV of 275–300, a tensile strength of 100–130 kg/mm², and an elongation of 0.5–2%; the microstructure was typical for a cold-worked metal. Annealing lowered the hardness and strength and increased the ductility (see Fig. 1). The decrease in tensile strength and hardness by annealing at 800–950°C is associated with the relieving of stresses caused by cold working. The texture disappeared completely after annealing at 1100°C; grain growth began at 1200°C. Annealing at 1200°C for more than 45 min had no additional

Card 1/3



L 11248-66

ACC NR: AT6000927

SUB CODE: 11, 13/ SUBM DATE: none/ ADD PRESS: 4174

J

BC

Card 3/3

KAPLAN, S.Ye.; POLOSINA, M.I.; ROSSOSHANSKAYA, V.A., red.; ANTONOVA, N.M., tekhn. red.

[Recent developments in agricultural research and practice; an annotated bibliography] Novoe v sel'skokhoziaistvennoi naуke i praktike; annotirovannyi ukazatel' literatury. Moskva, Sel'-khozgiz, 1961. 95 p. (MIRA 15:7)

(Bibliography—Agriculture)

PENKOV, Marin Dobrev; ROSSOSHANSKAYA, V.A., red.; DEYEVA, V.M.,
tekhn. red.

[Bolgar grape] Vinograd Bolgar. Moskva, Sel'khozizdat,
1962. 26 p. (MIRA 15:7)
(Grape--Varieties)

DEMENT'YEVA, Mariya Ivanovna, kand. sel'khoz. nauk; ROSSOSHANSKAYA,
V.A. red.; BALLOD, A.I. tekhn. red.

[Diseases of fruit crops] Solezni plodovykh kul'tur. Moskva,
Sel'khozizdat, 1962. 239 p. (MIRA 16:2)
(Fruit--Diseases and pests)

BELOUSOV, D.P., inzh.; SABUROV, N.V., prof.; SHIROKOV, Ye.P., kand.
sel'khoz, nauk; MOSHKOVICH, I.K., agronom; UL'YANOV, A.P.,
agronom, KRASNOKUTSKAYA, S.V., kand. sel'khoz. nauk;
ZOLOTOVA, A.I.; KALININA, N.N.; DAVIDOVA, R.B., prof.;
KURKO, V.I., kand. tekhn. nauk; KLEYMENOV, I.Ya.; VOROB'YEVA,
A.A.; DEMEZER, A.A.; ROSSOSHANSKAYA, V.A., red.; BALLOD, A.I.,
tekhn, red.

[Home canning and processing of agricultural products] Konser-
virovanie i pererabotka sel'skokhoziaistvennykh produktov v
domashnikh usloviiakh. [By] D.P. Belousov. Moskva, Sel'khoz-
izdat, 1963. 406 p. (MIRA 16:10)
(Canning and preserving) (Cookery)

DALLAKYAN, G.B., red.; ROSSOSHANSKAYA, V.A., red.; BYKOVA, M.G.,
red.

[Manual on the seed production of vegetable and vine plants]
Spravochnik po semenovodstvu ovoshchnykh i bakhchevykh kul'-
tur. Moskva, Izd-vo "Kolos," 1964. 694 p. (MIRA 17:6)

ROSSOSHANSKAYA, V.A.; SAVZDARG, V.E.; SERGHEYEV, V.I., red.; GOR'KOVA,
Z.D., tekhn.red.

[Concise reference manual for vegetable growers; for the central
areas of the U.S.S.R.] Kratkii spravochnik ovoshchegovoda; dlia
srednei polosy SSSR. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958.
286 p. (MIRA 13:1)

(Vegetable growing)

KAMSHILOV, N.A.; ANTONOV, M.V.; BAKHAREV, A.N.; BLINOV, L.F.; BORISOGLEBSKIY,
A.D.; GAR, K.A.; GARINA, K.P.; GORSHIN, P.F.; GUTIYEV, G.T.;
DELITSINA, A.V.; DUBROVA, P.F.; YEVTSUSHENKO, A.F.; YEGOROV, V.I.;
YEREMENKO, L.L.; YEFINOV, V.A.; ZHILITSKIY, Ya.Z.; ZHUCHKOV, N.G.,
prof.; ZAYETS, V.K.; ISKOL'DSKAYA, R.B.; KOLESNIKOV, V.A., prof.;
KOLESNIKOV, Ye.V.; KOSTINA, K.F.; KRUGLOVA, V.A.; LEONT'YEVA, M.N.;
LESYUK, Ye.A.; MUKHIN, Ye.N.; NAZARYAN, Ye.A.; NEGRUL', A.M., prof.;
ODITSOV, V.A.; OSTAPENKO, V.I.; PETRUSEVICH, P.S.; PROSTOSERDOV,
N.N., prof.; RUKAVISHNIKOV, B.I.; RYABOV, I.N.; SABUROV, N.V.;
SABUROVA, T.N.; SAVZDARG, V.E.; SEMIN, V.S.; SIMONOVA, M.N.;
SMOLYANINOVA, N.K.; SOBOLEVVA, V.P.; TARASENKO, M.T.; FETISOV, G.G.;
CHIZHOV, S.T.; CHUGUNIN, Ya.V., prof.; YAZVITSKIY, M.N.;
ROSSOSHCHANSKAYA, V.A., red.; BALLOD, A.I., tekhn.red.

[Fruitgrower's dictionary and handbook] Slovar'-spravochnik
sadovoda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 639 p.
(MIRA 11:1)

(Fruit culture--Dictionaries)

1155-2010-1445
BENEDIKTOV, I.A., redaktor; GRITSENKO, A.V., redaktor; IL'IN, M.A., zamestniel' glavnogo redaktora, LAFTEV, I.D., LISKUN, Ye.F.; LOBANOV, P.P., glavnnyy redaktor; LYSENKO, T.D.; SKRYABIN, K.I.; STOLETOV, V.N.; PAVLOV, G.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAYEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, N.P., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHESTAKOV, A.G., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMKLOV, S.P., professor, doktor biologicheskiy nauk, nauchnyy redaktor; EDEL'SHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHERBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOL'EVTCH, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, nauchnyy redaktor; YAKIMOV, V.P., agronom, nauchnyy redaktor [deceased], EYTINGEN, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFEEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.O., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor

(Continued on next card)

BENEDIKTOV, I.A.--- (continued) Card 2.

GREBEN', L.K., akademik, nauchnyy redaktor; NIKOLAYEV, A.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; RED'KIN, A.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SMETNEV, S.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POPOV, I.S., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; MANTHYFEL', P.A., professor nauchnyy redaktor; INIKHOV, G.S., professor, doktor khimicheskikh nauk, nauchnyy redaktor; ANFIMOV, A.N., professor, nauchnyy redaktor; GUBIN, A.F., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POLTEV, V.I., professor, doktor veterinarnykh nauk, nauchnyy redaktor; LINDZ, V.V., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; CHERGAS, B.I., professor, doktor biologicheskikh nauk, nauchnyy redaktor; NIKOL'SKIY, G.V., professor, nauchnyy redaktor; AVTOKRATOV, D.M., professor, doktor veterinarnykh nauk, nauchnyy redaktor; IVANOV, S.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; VIKTOROV, K.P., professor, doktor veterinarnykh nauk, nauchnyy redaktor; KOLYAKOV, Ya.Ye., professor, doktor veterinarnykh nauk, nauchnyy redaktor; ANTIFIN, D.N., professor, doktor veterinarnykh nauk, nauchnyy redaktor; MARKOV, A.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; DOMRACHEV, G.V., professor, doktor veterinarnykh nauk, nauchnyy redaktor; OLIVKOV, B.M., professor, doktor veterinarnykh nauk nauchnyy redaktor [deceased]; FLEGMATOV, N.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; BOLTINSKIY, V.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; VIL'YAMS, VI.P., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; KRASNOV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;

(Continued on next card)

BENEDIKTOV, I.A.----(continued) Card 3.

YEVEHENOV, M.G., akademik, nauchnyy redaktor; SAZONOV, N.A., doktor tekhnicheskikh nauk, nauchnyy redaktor; NIKANDROV, B.I., inzhener, nauchnyy redaktor; KOSTYAKOV, A.N., akademik, nauchnyy redaktor; CHERKASOV, A.A., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; IVANOV, N.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; ORLOV, F.M., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; LOZA, G.M., kandidat ekonomicheskikh nauk, nauchnyy redaktor; CHERNOV, A.V., kontrol'nyy redaktor; ZAVARSKIY, A.I., redaktor; ROS-SOSHANSKAYA, V.A., redaktor; FILATOVA, N.I., redaktor; YEMEL'YANOVA, N.I., redaktor; SILIN, V.S., redaktor BRANZBURG, A.Yu., redaktor; MAGNITSKIY, A.V., redaktor terminov; KUDRYAVTSEVA, A.G., redaktor terminov; AKSENOVA, A.P., mladshiy redaktor; MALYAVSKAYA, O.A., mladshiy redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 4.

[Agricultural encyclopedia] Sel'skokhoziaistvennaia entsiklopediia.
Izd.3-e, perer. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.5. [T-IA.]
1956. 663 p. (MLRA 9:9)
(Agriculture--Dictionaries and encyclopedias)

RUSAKOV, G.K., kand.sel'khoz. nauk; VARENITSA, Ye.T., doktor biolog. nauk, red.; PISAREV, V.Ye., doktor sel'khoz. nauk, red.; BENEVOL'SKIY, S.A., kand. sel'khoz. nauk, red.; RUDAKOV, G.F., laureat Stalinskoy premii, inzh., red.; DOBROKHOTOV, G.N., kand. sel'khoz. nauk, red.; RUMYANTSEV, A.T., red.; ROSSOSHANSKAYA, V.A., red.; PEVZNER, V.I., tekhn. red.

[Handbook for agronomists of the non-Chernozem Zone] Spravochnik agro-noma nechernozemnoi polosy. Moskva, Gos. izd-vo sel'khoz. lit-ry. (MIRA 14:7) Vol.1. 1960. 687 p.

(Agriculture)

KORNEYCHUK, V.D.; PLAKIDA, Ye.K.; ROSSOSHANSKAYA, V.A., red.;
DEYEVA, V.M., tekhn. red.

[Fertilizing vineyards]Udobrenie vinogradnikov. Moskva,
Sel'khozizdat, 1962. 205 p. (MIRA 15:10)
(Grapes--Fertilizers and manures)

KATAR'YAN, T.G., glav.red.; BLAGONRAVOV, P.P., red.[deceased];
GOLIKOVA, Z.I., red.; GOLODAIGA, P.Ya., red.; MOROZOVA, G.S.,
red.; NILOV, V.I., red.; OKHREMENKO, N.S., red.; PALAMARCHUK,
G.D., red.; POPOV, K.S., red.; SKVORTSOV, A.F., red.;
ROSSOSHANSKAYA, V.A., red.; ANTONOVA, N.M., tekhn. red.

[Problems of viticulture and wine making; abstracts for work
for 1959-1960] Voprosy vinogradarstva i vinodeliiia; sbornik
referatov nauchnykh rabot za 1959-1960 gody. Moskva, Sel'khoz-
izdat, 1962. 363 p. (MIRA 15:7)

l. Yalta. Vsesoyuznyy nauchno-issledovatel'skiy institut vinode-
liya i vinogradarstva "Magarach."
(Viticulture) (Wine and wine making)

MAL'CHENKO, V.M.; RUDNIK, A.V.; DZYUBA, M.L.; ROSSOSHANSKAYA, V.A.; AZAROVA, O.A.; KHLAVCHENKO, Z.I.; STRIZHEV, A.N.; SUPRUNENKO, I.M.; PEVZNER, V.I., tekhn.red.

[Collective-farm calendar for 1960] Kalendar' kolkhoznika na 1960 god. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 175 p.
(MIRA 12:12)

(Calendars) (Agriculture)

ABDRAZAKOV, R.G.; IGONIN, I.A., glavnnyy metodist; KHOKHLOV, V.D., otvetstvennyy redaktor; ROSSOSHANSKAYA, V.A., redaktor; BALLOD, A.I., tekhnicheskii redaktor

[The "Kirghiz S.S.R." pavilion; a guidebook] Pavil'on "Kirgizskaya SSR"; putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry. 1956. 25 p.

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. direktor pavil'ona (for Abdrazakov)
(Kirghizistan--Agriculture)
(Moscow--Agricultural exhibitions)

TETERINA, M.G.; DROZDOV, L.N.; UNKOVSKIY, A.M., otvetstvennyy red.;
ROSSOSHANSKAYA, V.A., red.; ZUBRILINA, Z.P., tekhn. red.

[Young naturalists participating in the All-Union Agricultural
Exhibition] IUnye naturalisty - uchastniki VSKhV. Moskva, Gos.
izd-vo sel'khoz. lit-ry, 1958. 54 p. (MIRA 11:10)
(Agriculture—Study and teaching)

YEKIMOV, V.P.; ROSSOSHANSKAYA, V.A., redaktor; PAVLOVA, M.M., tekhnicheskij
redaktor

[Subtropical fruit culture] Subtropicheskoe plodovodstvo. Moskva,
Gos.izd-vo selkhoz. lit-ry, 1955. 350 p. (MLRA 10:1)
(Fruit culture)

ROSSOSHANSKAYA, V. A.

Fruit Culture

"Varieties of fruit and berry plants." Reviewed by V. A. Rossoshanskaya. Sad i og. No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress. 1953. Unclassified.

1. KOCHETKOV, I. P., ROSSOSHANSKAYA, V. A.
2. USSR (600)
4. Fruit Culture - Rybnoye District (Ryazan' Province)
7. Collective farm orchards. Sad i og. no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

SAVZDARG, Vladislav Eduardovich; ROSSOSHANSKIY, A.A., redaktor; PAVLOVA, M.M.
tekhnicheskiy redaktor

[Pests and diseases of fruits and berries] Vrediteli i bolezni plodo-
vykh i jagodnykh kul'tur. Izd. 2-e. Moskva, Gos. izd-vo selkhoz.
lit-ry, 1956. 164 p. (MLRA 9:10)
(Fruit--Diseases and pests)

VUL'F, Yevgeniy Vladimirovich [deceased].. Prinimali uchastiye:
CHERNOVA, N.M., botanik; PRIVALOVA, L.A., botanik; ZEFIROV, B.M.,
botanik. STANKOV, S.S., prof., red.; ROSSOSHANSKIY, A.A., red.;
GOR'KOVA, Z.D., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Flora of the Crimea] Flora Kryma. Pod red. S.S.Stankova.
Moskva, Gos.izd-vo sel'khoz.lit-ry. Vol.3., no.1. [Dicotyledoneae
Ericaceae-Oleaceae] Dvudol'nye vereskovye - maslinnye. 1957.
(MIRA 12:5)
84 p.

1. Gosudarstvennyy Nikitskiy botanicheskiy sad (for Chernova,
Privalova, Zefirov).
(Crimea--Dicotyledons)

ZAYTSEV, G.S.; ROSSOSHANSKIY, A.A., red.; SAVZDARG, V.E., red.;
GUREVICH, M.M., tekhn.red.

[Potato grower's reference manual] Spravochnik kartofelevoda.
Izd.2-oe. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 228 p.
(Bibliotekha po ovoshchvodstvu, no.6) (MIRA 10:12)
(Potatoes)

SAVZDARG, Eduard ~~Eduardovich~~, prof., doktor sel'skokhozyaystvennykh nauk;
ROSSOSHANSKIY, A.A., red.; BALLOD, A.I., tekhn. red.

[Cyclamen mite] Zemlianichnyi kleshch. Moskva, Gos. izd-vo sel'-
khoz. lit-ry, 1958. 62 p. (MIRA 11:7)
(Strawberries--Diseases and pests). (Mites)

ROSSOSHANSKIY, A. A., assistent

Rare case of hermaphroditism. Akush. i gin. no.2:96-97 '62.
(MIRA 15:6)

1. Iz akushersko-ginekologicheskoy kliniki (nach. kafedry -
chlen-korrespondent AMN SSSR prof. K. M. Figurnov[deceased])
Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(HERMAPHRODITISM)

YEVDOKIMOV, Artemiy Petrovich; ROSSOSHANSKIY, A.A., red.; LAZAREVA,
L.V., tekhn. red.

[Grafting and regrafting fruit trees] Privivka i pereprivivka
plodovykh derev'ev. Moskva, Izd-vo Mosk. univ., 1963. 28 p.
(MIRA 16:3)

(Fruit trees) (Grafting)

VUL'F, Ye.V. [deceased]; BORISOVA, A.G. (Leningrad); VASIL'IEV, V.F. [deceased]; POYARKOVA, A.I. (Leningrad); STANKOV, S.S.; KHRZHANOVSKIY, V.G. (Moskva); CHERNOVA, N.M. (Simferopol'); YUZEPCHUK, S.V. [deceased]; PRIVALOVA, L.A., starshiy nauchnyy sotrudnik, red.; ROSSOSHANSKIY, A.A., red.; GUREVICH, M.M., tekhn.red.

[Flora of the Crimea] Flora Kryma. Pod red. S.S.Stankova. Moskva, Gos.izd-vo sel'khoz.lit-ry. Vol.2, no.2. [Dicotyledoneae: Crassulaceae - Leguminosae] Dvudol'nye: tolstiankovye - bobovye. (MIRA 14:1) 1960. 311 p.

1. Gosudarstvennyy Nikitskiy botanicheskiy sad (for Privalova).
(Crimea--Dicotyledons)

SAVZDARG, Eduard Eduardovich, prof.; ROSSOSHANSKIY, A.A., red.;
PEVZNER, V.I., tekhn.red.

[Pests of berries] Vrediteli iagodnykh kul'tur. Moskva, Gos.
izd-vo sel'khoz.lit-ry, 1960. 271 p. (MIRA 13:11)
(Berries--Diseases and pests)

KOSSOSHANSKIY N.N.

BEREZHOV, I.M.; KAPTSINEL', M.A.; NESTERENKO, G.A.; ROSSOSHANSKIY, A.A.,
redaktor; KHOKHRINA, N.M., tekhnicheskiy redaktor

[Subtropical plants] Subtropicheskie kul'tury. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1951. 576 p. (MIRA 10:9)
(Tropical plants)

ROSSOSHANSKIY, A.A., kand.med.nauk

Anatomical bases of the formation of an artificial vagina from the sigmoid colon [with summary in English]. Akush. i gin. 34 no.5:
(MIRA 11:10)
93-98 S-0 '58

1. Iz akushersko-ginekologicheskoy kliniki (nach - chlen-korrespondent
AMN SSSR prof. K.M. Figurnov) Voyenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova.

(VAGINA, surg.

artif. vagina from sigmoid colon, anat. basis (Rus))

(COLON, surg.

form. of artif. vagina, anat. basis (Rus))

Rosso SHANSKIY, A.A.

NAPOL'SKIY, M.P., kandidat sel'skokhozyaystvennykh nauk, redaktor; ROSSO-
SHANSKIY, A.A., redaktor; SERGEYEV, V.I., redaktor; SOKOLOVA, N.N.,
tekhnicheskiy redaktor

[According to I.V.Michurin's methods; a collection of articles]
Po metodam I.V.Michurina; sbornik statei. Pod obshchim red. M.P.
Napol'skogo. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 92 p.
(MLRA 10:1)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
(Michurin, Ivan Vladimirovich, 1855-1935)

Rossoshanskiy, A. I.

FA 46/49T95

USSR/Mining Equipment
Lifting Mechanisms

Jan 49

"Reply to Engineer M. A. Gol'din's and Engineer V. M. Berlovskiy's Article, 'Electrodynamic Braking for Mine Haulage Equipment of the 'Donsbasantratsit' Combine,'" A. I. Rossoshanskiy, Engr, South Mine Project, ½ p

"Ugol," No 1

Comments on article which appeared in "Ugol" No 9, 1948. In complete accord with statements of original article, but adds comments on

40/49T95

USSR/Mining Equipment (Contd)

Jan 49

shortcomings of asynchronous electric motors for mine haulage when lifting or lowering loaded elevators.

40/49T95

ROSSOSHANSKIY, A.I., inzh.

Programmed automatic control of hoisting induction motors in
dynamic braking conditions. Nauch. dokl. vys. shkoly; gcr. delo
no.3:156-165 '58. (MIRA 11:9)

1. Predstavlena kafedroy elektrifikatsii prompredpriyatiya Khar'kovskogo
politekhnicheskogo instituta im. V.I. Lenina.
(Mine hoisting) (Automatic control)

112-57-8-16713D

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 108 (USSR)

AUTHOR: Rossoshanskiy, A. I.

TITLE: Automatic Speed Control of a Hoist Induction Motor Under Deceleration
Conditions (Avtomlicheskoye regulirovaniye skorosti asinkhronnogo
pod'yemnogo elektrosvigatelya v rezhime zamedleniya)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of
Candidate of Technical Sciences, presented to Mosk. gorn. in-t (the Moscow
Mining Institute), Moscow, 1956.

ASSOCIATION: Mosk. gorn. in-t (the Moscow Mining Institute)

Card 1/1

ROSSOCHINSKIY, A. A.

USSR/Metallurgy - Metallography, Jan/Feb 53
Steel

"Revealing the Primary Structure of Welded Joints
of Low-Carbon and Low-Alloy Steels by the Method
of Electrolytic Etching," Engr A. A. Rossochinskiy,
Inst of Electric Welding im Ye. O. Paton

Avtomat Svarka, No 1, pp 52-54

Develops method for revealing initial structure
without preliminary heat treatment of specimens,
using two reagents. First electrolyte, based on
soln of hydrochloric and picric acids, de-passivates

275T46

surface of specimen and provides for constant rate
of etching while not dissolving or only partially
dissolving boundaries of primary crystallites.
These boundaries are revealed by etching in second
electrolyte which represents soln of Cu and Mg
chlorides in ethyl alcohol.

Rossoshinskij, A. A.

Development of the Primary Structure of Welds in Low
Carbon and Low Alloy Steels by Electrolytic Etching. A. A.

Rossoshinskij. (Automaticheskaya Svarka, 1953, 6, (1), 52-61).

The technique for developing the primary structure of welds
in low carbon and low alloy steels by electrolytic etching is
described. - v. o.

Df gal

ROSSOSHINSKIY, A.A.

Exposing the structure of welded seams on type 18-8 and 25-20 chromium-nickel steels by means of electrolytic polishing and pickling. Avtom. svar. 6 no.6:52-55 N-D '53. (MIRA 8:4)

1. Institut elektrosvarki im. Ye.O.Patona Akademii nauk URSR.
(Chrome-nickel steel—Welding)

AID P - 866

Subject : USSR/Engineering

Card 1/1 Pub. 11 - 12/13

Author : Rossoshinskiy, A. A.

Title : The use of the electrolytic polishing for termination
of initial structure of welded seams

Periodical : Avtom. svar., #4, 90-92, Jl-Ag 1954

Abstract : An experimental study is outlined concerning comparative presentation of primary and secondary structures of metal specimen by the standard method of etching and by the electrolytic method. The results of the study are illustrated with 9 micrographs. Five Russian references (1946-53).

Institutions: Institute of Electric Welding im. E. O. Paton
Academy of Sciences, Ukrainian SSR

Submitted : Mr 25, 1954

ROSSOSHINSKIY, A. A.

GUREVICH, S.M.; ROSSOSHINSKIY, A.A.

Formation of austenitic grain in the zone around the welds of
medium-carbon and alloy steels. Avtom. svar. 7 no.1:48-51 Ja-F '54.
(MLRA 7:7)

1. Institut electrosvarki im. Ye.O.Patona Akademii nauk USSR.
(Steel alloys) (Welding)

Rossoshinskiy, A.A.

The σ -phase of welds of chrome nickel austenitic steels of type 18-8, B.I. Medovar and A.A. Rossoshinskii, *Avtomat. Svarka* 7, No. 3 (Whole No. 38), 20-40 (1964).—As a result of extended heating in the interval 675-875°, the austenite-ferrite welds in type 18-8 steels may acquire a marked brittleness owing to a transformation of the α -phase into the σ -phase. The speed and degree of the transformation depends upon the quantity of initial ferrite, the type of alloy in the weld, the refinement of its structure, and the presence of stretcher strains. The presence of Cr, Ti, Nb, V, Mo, and Si favors the transformation of α to σ . Heating for 2 hours in the interval 750-850° may cause as sharp a decrease in the impact strength as several hundred hours at 650°. It is stated that formation of the σ -phase may be retarded by preliminary heating in the range 1100-50°.

J. R. Behrman

ROSSOSHINSKIY, A.A.

Methods of investigating the initial structure of welds. Avtom.svar.
8 no.4:90-94 Jl-Ag'55. (MIRA 8:11)

1. Ordona Trudovogo Krasnogo znameni Institut elektrosvarki imeni
Ye.O.Patona Akademii nauk USSR
(Metallography) (Steel--Welding)

RUSSOSHINSKIY, A.A.

Etching solution for macro study of welded steel seams.
A. A. Rossoshinskiy and V. A. Sidiyarenko (B. U. Paton's
Inst. Electric Welding, Kiev). *Avtomat. Svarka* 8, No. 5,
52 (1955).—To prep. the etching soln., dissolve 200 g.
FeCl₃ in 100 cc. water, add 300 cc. HNO₃, and mix well.
Allow the soln. to stand on the object 1-5 min., and wash
well in water.
A. N. Pestoff

18 18-4E2C-6

PL
MT

Rossoshinskiy A-A

18 18

462 C

~~Electrolytic polishing of welded seams made upon low-carbon, low special, and medium special steels.~~ A. A. Rossoshinskiy and G. I. Paressa (E. O. Paton's Inst. Electric Welding, Kiev). "Avtomat. Sverka" 8, No. 5, 83 (1955). — A method of electrolytic polishing is described with an electrolyte composed of 80% by vol. H_3PO_4 (d. 1.7) and 20% satd. aq. soln. of Cr_2O_7 at 92.4° and 7.5-8.0 v. for 1-2 min. A. N. Pestov.

R amf

ROSSOSHINSKIY, A. A.

ROSSOSHINSKIY, A. A.: "The effect of chemical heterogeneity on the structure and mechanical properties of weld seam." Min Higher Education Ukrainian SSR. Kiev Order of Lenin Polytechnic Inst. Kiev, 1956.
(Dissertation for the degree of doctor in Technical Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

Rossoshinskii, A. A.

Distribution of some constituents in the welded joints
O. A. Rossoshinskii (State Univ., Lvov). *Dopovit Akad.
Nauk Ukr. R.S.R.* 1956, No. 2, 137-8 (Russian summary).
Exptl. data of distribution of C, P, Ni, Mn, and Cr are
given. It is shown that in welded joints the elements C, P,
and Cr concentrate in the areas between the crystn. layers
and at the boundary of the acicular crystals. Ni and Mn
do not concentrate. In the areas where the chem. heteroge-
neity is clearly apparent between the crystn. layers, den-
dritic heterogeneity is slightly expressed. M. C.

RFJ LFM

ROSSOSHINSKIY, A.A.

MAKARA, A.M.; ROSSOSHINSKIY, A.A.

Chemical heterogeneity of the weld metal zone and crystallization planes and its connection with diffusion between solid and liquid phases during crystallization of the weld. Avtom.svar.9 no.6:65-
76 N.D. '56. (MIRA 10:3)

1. Ordona Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye., O.Patona AN USSR.
(Steel alloys--Welding)

ROSSOSHINSKIY, A.A.

2
1

Distr: 4E2c

Rapid Method for Elucidating the Primary Structure of Weld Seams/A. Rossoshinskiy, (Zavodskaya Laboratoriya, 1950, Ed. (5), 559-560). [In Russian]. A simple and reliable method for studying the primary structure of weld-seam metal is described. It is based on double etching of specimens, first in 30% aqueous potassium acetate electrolytically (stainless steel plate cathode, inter-electrode distance 20-25 mm, duration 3 min) and then, after washing and drying, in a reagent consisting of 4 ml HCl, 1 g. Cu₂Cl₂, 25 ml ethanol and 30 ml water. Results obtained with a weld seam in low-carbon steel and with one containing 2% nickel after heating at 1300°C are illustrated. The method is applicable to low- and medium-alloy steels.—S. K.

RE

ROSSOSHINSKIY, A.A.

Electrolytic etching in slightly active electrolytes. Zav.lab. 22
(MIRA 9:8)
no.5:616 '56.

I. Institut elektrosvarki imeni akademika Ye.O. Patona Akademii
nauk USSR.
(Metallography)

RossosHinkley, A.A.

18
5
AEDC
f34

Local Heat Treatment of Welded Joints. B. S. Kasulin
and A. A. Rossoshnikov (Avtomobilezvod Pressa, 1957).
An irregular distribution of
high and low magnitude stresses was observed in low
temperature areas and this was associated with a block structure.
Local heat treatment not only refined the secondary structure
of the surface layers of the weld, but also modified the fine
structure and led to a marked reduction in stresses. The
impact strength of the weld was improved. - B. S.

Rossoshinskiy, A.A.

135-5-1/14

SUBJECT: USSR/Welding

AUTHORS: Rossoshinskiy, A.A., Candidate of Technical Sciences, and
Kasatkin, B.S., Candidate of Technical Science.

TITLE: Effect of Some Alloying Elements on the Chemical Heterogenities
and the Mechanical Properties of Welds. (Vliyanie nekotorykh
legiruyushchikh elementov na khimicheskuyu neodnorodnost'i
mekhanicheskogo svoystva svarnykh shvov).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 5, pp 1-6 (USSR).

ABSTRACT: The purpose of the investigation was to determine how nickel,
chromium, manganese and silicon, in quantities as contained in
low-alloy and medium-alloy standard steels, influence the for-
mation of chemical heterogenities of welding seams and to study
the influence of these heterogenities on the mechanical pro-
perties of the welding seams. Butt welds, were investigated
which were made by automatic welding of 20 mm thick "MCT.3"
steel with welding rod "CBO8A" of 5 mm diameter and flux "AH-
348A".

The investigation revealed that welding seams are chemically
heterogeneous. In the center area of the welding seams, there

Card 1/4

135-5-1/14

TITLE:

Effect of Some Alloying Elements on the Chemical Heterogenities and the Mechanical Properties of Welds. (Vliyaniye nekotorykh legiruyushchikh elementov na khimicheskuyu neodnorodnost' i mekhanicheskiye svoystva svarnykh shvov).

was a dendritic heterogeneity, and in the outer zones a laminated heterogeneity was observed on layers of crystallization, which form as a result of the exchange processes between the not completely solidified metal and the liquid metal of the welding puddle. The same processes affect the formation of the dendritic heterogeneity. It was found that a higher cooling rate gave decreased dendritic heterogeneity. The chemical heterogeneity of increased laminated heterogeneity. The chemical heterogeneity of low-carbon welds was insignificant.

Nickel, chromium, manganese, and silicon had a pronounced influence on formation of the chemical heterogeneity of welds. Nickel in quantities over 1.5 % liquates little, but markedly increases liquation of carbon, sulfur, and phosphorus. Increasing the nickel content to more than 2 %, leads to hot fissures and to an abrupt deterioration of mechanical properties of the weld metal. Manganese content of 1.5-2.5 % liquates slightly more than nickel, but it abruptly and more strongly than other

Card 2/4

135-5-1/14

TITLE:

Effect of Some Alloying Elements on the Chemical Heterogenities and the Mechanical Properties of Welds. (Vliyaniye nekotorykh legiruyushchikh elementov na khimicheskuyu neodnorodnost'i mehanicheskiye svoystva svarnykh shvov).

elements intensifies liquation of carbon and affects impact toughness of weld metal at room temperature as well as at below zero. Chromium content of 1-3% liquuates markedly, but it decreases by this amount the liquation of carbon, sulfur, and phosphorus. As a result of chemical heterogeneity in chromium, welds containing over 1% chromium have a lower malleability and impact toughness. Silicon in quantities of 0.5 to 1.5 % liquates little, but abruptly increases liquation of phosphorus. Besides, such silicon content produces forming of coarse-laminated perlite with an increased content of carbon, and abruptly increases the quantity of non-metallic inclusions (silicon oxides). Increased silicon content over 0.5 % leads to decreased impact toughness of weld metal.

The article contains 7 microphotographs, 3 diagrams, 1 table, and lists 16 references (10 of which are Russian).

Card 3/4

135-5-1/14

TITLE:
APPROVED FOR RELEASE: Tuesday, August 01, 2000

Effect of Some Alloying Elements on the Chemical Heterogenities and the Mechanical Properties of Welds. (Vliyaniye nekotorykh legiruyushchikh elementov na khimicheskuyu neodnorodnost'i mehanicheskiye svoystva svarnykh shvov).

CIA-RDP86-00513R0014

ASSOCIATION: Institut elektrosvarki imeni E.O. Patona AN USSR, (Welding Institute imeni E. O. Paton Academy of Sciences, Ukrainian SSR).

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 4/4

ROSSOSHINSKIY, A.A.

Liquation of certain alloying elements in welded joints. (MLRA 10:4)
Avtom. svar. 10 no.1:37-39 Ja-F '57.

1. Ordona Trudovogo Krasnogo Znameni Institut elektrosvarki im.
akad. Ye.O. Patona AN USSR.
(Steel alloys--Metallography)
(Electric welding)

MORAVSKIY, V.E.; ROSSOSHINSKIY, A.A.

Structural characteristics of spot welds made by stored energy
resistance welding on similar metals of small cross section.
Avtom.svar. 10 no.4:59-63 J1-Ag '57. (MIRA 10:10)

1. Ordena Trudovog Krasnogo Znameni Institut elektrosvarki imeni
Ye.O.Patona Akademii nauk USSR.
(Electric welding) (Metallography)

RCSSOSHINSKIY, A.A.

Evaluating the relative extent of intergranular heterogeneity of welds.
Zav. lab. 23 no.3:311-313 '57. (MIRA 10:6)

1. Institut elektrosvarki im. akad. Ye.O. Patona Akademii nauk USSR.
(Welding--Testing) (Metals--Etching)

ROSSOSHINSKIY, A.A.

AUTHOR: ROSSOSHINSKIY, A.A. 32-6-38/54
TITLE: The Universal Reagent for the Macrocorrosion of Various Steels and
of Welding- and Soldering Seams. (Universal'nyy reaktiv dlya
makrotravleniya razlichnykh stalei i svarnykh shvov, Russian)
PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol 23, Nr 6, pp 750-750 (U.S.S.R.)

ABSTRACT: The reagent consists of the following components: 200 g ferric chloride, 300 ml nitrogen acid and 100 ml water. First, salt is dissolved in water to which nitrogen acid is added. Pickling (corrosion) is carried out by saturating the surface of the material under investigation with cotton wool steeped in the reagent for 1 - 5 minutes. The material is then washed in running water and rubbed with clean cotton wool.

ASSOCIATION: Institute for Electric Welding of the Academy of Science of the U.S.S.R.

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 1/1

Yerushkin M.S. A.A. 135-58-1-2/23
AUTHOR: Kasatkin, B.S., and Rossoshinskiy, A.A., Candidates of

Technical Sciences

TITLE: Structural Heterogeneity of Welded Seams (O strukturnoy
neodnorodnosti svarnykh shvov)

PERIODICAL: Sverochnoye Proizvodstvo, 1958, Nr 1, pp 6 - 8 (USSR)

ABSTRACT: The authors state that various crystallization conditions have a decisive effect on the quality of seams. This assumption was tested by investigations of the fine structure of welded seams, carried out on low alloyed steel, type NL-2, 20 mm thick with SV-08 rods under AN-348 flux and according to the following regime: current intensity was 850 amp arc voltage-36 to 38 v., welding rate 20 m/hr. The chemical composition of the seams was as follows: 0.12% carbon, 0.43% silicon, 0.80% manganese, 0.39% nickel, and 0.35% copper. For the tests 1 mm thick plates were cut from the welded seams. X-ray photographs of immovable and rotating samples were taken in large chambers with a drum 149 and 156 mm in diameter. The rotating samples moved around an axis perpendicular to the direction of the primary X-ray bundle. The inner stresses were determined by the interference lines of (110) and (220). Ref. 8. The nature of stress distribution of the second and third type

Card 1/2

135-58-1-2/23

Structural Heterogeneity of Welded Seams

is shown in Figure 4. The data shows that an irregular distribution of second and third type stress takes place in the seams after the welding process. The authors come to the following conclusions: The structural heterogeneity is characteristic for seams welded under flux, and it is connected with the peculiarities of crystallization. High stresses of the third type are characteristic for the central sections of the welded seams, caused mainly by the presence of dendritic heterogeneity. Second type stresses arise, particularly, in sections adjacent to fusion lines, and are obviously caused by the mechanical effect of the primary metal crystallization. There are 4 figures and 8 Soviet references.

ASSOCIATION: Institut elektrosvarki imeni akad. Ye. O. Patona AM UkrSSR (Institute of Electric Welding imeni Academician Ye.O. Paton of the UkrSSR Academy of Sciences)

AVAILABLE: Library of Congress

Card 2/2 1. Seam welding 2. Welds-Analysis

AUTHORS:

Parfessa, G.I., and Rossoshinskiy, A.A.

125-1-13/15

TITLE:

Electrolytic Polishing of Welded Seams on Titanium (Elektro-
liticheskaya polirovka svarnykh shvov na titane)

PERIODICAL:

Avtomatischekaya Svarka, 1958, # 1, pp 87-88 (USSR)

ABSTRACT:

The determination of the welded seam structure in titanium is accomplished with considerable difficulties. Mechanical polishing of titanium samples gives rise to deformations, therefore electrolytic welding is recommended in order to obtain seams with undeformed surfaces. There is, however, little information on this subject in literature. This article contains information on some reagents and electrolytic polishing processes which have given satisfactory results. For this purpose the usual device designed at the Institute of Electrowelding is utilized. The author recommends reagent No 1, to be used at a temperature of 26 - 30° C. The time of electrolytic etching depends on the preceding surface treatment of the sample, which should be finished on a felt disc with ГАИ -paste; in which case the time of electrolytic polishing should not exceed 10 - 30 seconds. Reagent No 2, composed of ethylene glycol and hydrofluoric acid, produces better results in stability.

Card 1/2

Electrolytic Polishing of Welded Seams on Titanium

125-1-13/15

There is 1 Russian reference.

ASSOCIATION: The Institute of Electrowelding imeni Ye.O. Paton (Institut elektrosvarki imeni Ye.O. Patona) of the Ukrainian SSR Academy of Sciences

SUBMITTED: 24 August 1957

AVAILABLE: Library of Congress

Card 2/2

Revised 10/17/81

125-1-14/15

AUTHORS: Sidlyarenko, V.A., Parfessa, G.I., Rossoshinskiy, A.A.

TITLE: Detection of Crystallization Layers in Welded Seams by Methods of Electrolytic Etching (Vyyavleniye kristallizatsionnykh sloyev svarynykh shvov metodom elektroliticheskogo travleniya)

PERIODICAL: Avtomaticheskaya Svarka, 1958, # 1, pp 89-90 (USSR)

ABSTRACT: Crystallization layers in welded seams are detected by electrolytic etching, with the aid of the usual devices. The reagent is a 20% aqueous solution of sulphuric acid (density 1.84). The voltage at the etching bath terminals is 0.5 v. Figure No 1 shows crystallization layers in the seam, detected by this method which is recommended for use by metallographic laboratories because of its simplicity and reliability.

There is one figure and 3 Russian references.

ASSOCIATION: Institute of Electrowelding imeni Ye.O. Paton (Institut elektrosvarki imeni Ye.O. Patona) of the Ukrainian SSR Academy of Sciences.

SUBMITTED: 2 August 1957

AVAILABLE: Library of Congress
Card 1/1

SOV/125-58-10-12/12

AUTHORS: Moravskiy, V.E., and Rossoshinskij, A.A.

TITLE: The Structural Peculiarities of Spots in the Condenser Welding of Dissimilar metals of Small and Unequal Thickness (O strukturnykh osobennostyakh tochek pri kondensatornoy svarke raznorodnykh metallov malykh i neravnykh tolshchin)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 10, pp 9- - 96 (USSR)

ABSTRACT: Information is presented on the results of metallographic investigations of condenser welded joints in dissimilar thin metals. Specimens of such metals and alloys were welded on the "TKM-4" type capacitor machine. Examinations of the welded spot structure led to the following conclusions: condenser welding of dissimilar metals can be performed with or without a melting process. In the latter case, recrystallization processes in the welding zone take place. In all cases, condenser welding ensures a satisfactory quality of welds. A fine-granulated struct-

Card 1/2

SOV/125-58-10-12/12

The Structural Peculiarities of Spots in the Condenser Welding of Dissimilar Metals of Small and Unequal Thickness

ure of high strength and plasticity is formed in zones adjacent to the weld spot in different metals and alloys, which are not prone to formation of brittle hardening structures. The obtained results proved that condenser welding can be used for practically all metal and alloy combinations. There are 4 sets of microphotos, and 10 references, 9 of which are Soviet and 1 English.

ASSOCIATIONS: Institut elektrotehniki AN USSR (Institute of Electric Engineering AS UkrSSR). Kiyevskiy institut GVF (The Kiyev GVF Institute)

SUBMITTED: February 20, 1958

1. Metals--Spot welding
2. Spot welds--Structural analysis
3. Spot welds--Metallurgical effects
4. Spot welding--Effectiveness

Card 2/2

USCIMI-DC-55981

AUTHORS: Sidlyarenko, V. A., Parfessa, G. I., SOV/32-24-10-17/70
Rossoshinskiy, A. A.

TITLE: The Development of Crystallisation Layers at Weld Seams
According to the Method of Electrolytic Etching (Vyyavleniye
kristallizatsionnykh sloyev svarnykh shvov metodom elektro-
liticheskogo travleniya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10,
pp 1217 - 1217 (USSR)

ABSTRACT: The development of crystallisation layers in weld seams
at lowly-and middle-alloyed steels that are low in
carbon is connected with some difficulties (Ref 1).
In the present case electrolytic etching is employed.
A 20 per cent solution of sulfuric acid (density 1,84)
served as reagent. The cathode was a lamella of stainless
steel - the surface of which was 1,5 - 2 times larger
than the surface of the sample to be etched. The distance
between the electrodes was about 35 mm. The terminal
voltage was 0,5 volts. The duration of etching was 6
hours. After the process of etching the sample is carefully
cleaned, washed, and dried. A microphoto of a weld sample

Card 1/2

The Development of Crystallisation Layers at Weld Seams SOV/32-24-1o-17/70
According to the Method of Electrolytic Etching

is shown in a figure; the crystallisation layers obtained according to the described method are clearly visible. There are 1 figure and 2 references which are Soviet.

Card 2/2

SOV/32-25-2-30/78

18(7)

AUTHORS:

Parfessa, G. I., Rossochinskiy, A. A.

TITLE:

Electrolytic Polishing to Render Visible the Structure of
Welding Seams on Titanium (Elektroliticheskaya polirovka dlya
vyvleniya strukturnykh shvov na titane)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2,
p 185. (USSR)

ABSTRACT:

It is very difficult to render visible the structure of welds on titanium, since the titanium surface is distorted when mechanically polished. Therefore, it is necessary to use electrolytic polishing. In the present case a setup already described (Ref 1), modified in such a way as to supply 60-250 v d.c. at 3 amperes was used for determining optimum conditions. The following reagent is suggested: 180 ml ethanol, 20 ml methanol, 12 g AlCl_3 (dehydrated), 56 g ZnCl_2 (dehydrated).

Cathodes: stainless steel plates. Distance between electrodes: 40 mm. Current density: appr. 0.2-0.3 a/cm² at 140 volts. Electrolyte temperature: 26-30° at most. Duration of electrolytic polishing depends on the pre-treatment of the sample.

Card 1/2